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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Satoru KATAGAMI et al.

Group Art Unit: 2871

Application No.: 10/043,244

Examiner: Unknown

Filed: January 14, 2002

Docket No.: 111373

For: APPARATUS AND METHOD FOR PRODUCING COLOR FILTERS BY
DISCHARGING MATERIAL

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

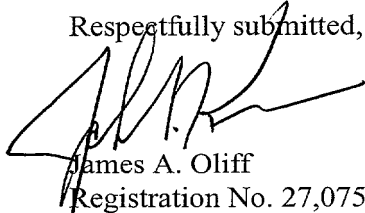
Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 3. English-language Abstracts of the non-English language references are attached hereto.

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- ☒ 4. Computer-generated English translations of the following Japanese Patent Publications have been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and are attached, but have not been reviewed for accuracy.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

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Registration No. 42,719

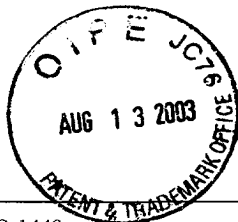
JAO:JSK/kap

Date: August 13, 2003

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**DEPOSIT ACCOUNT USE
AUTHORIZATION**

Please grant any extension
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Sheet 1 of 1

| | | | | | | | |
|---|--|---|---------|--------------------------------------|-----------------|-------------------------------|--|
| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 111373 | | APPLICATION NO. 10/043,244 | |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANTS Satoru KATAGAMI et al. | | | |
| | | | | FILING DATE January 14, 2002 | | GROUP 2871 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | |
| | | 10-272776 w/Abstract and Translation | 10/1998 | Japan | | | |
| | | 11-078013 w/Abstract and Translation | 3/1999 | Japan | | | |
| | | 2000-334951 w/Abstract and Translation | 12/2000 | Japan | | | |
| | | 09-039220 w/Abstract and Translation | 2/1997 | Japan | | | |
| | | WO 95-07185 | 3/1995 | WIPO | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
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| EXAMINER | | | | | DATE CONSIDERED | | |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

Date: August 13, 2003



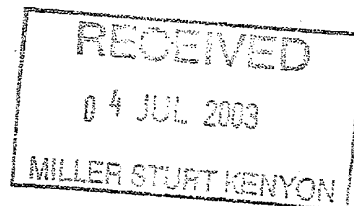
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Datum/Date
02.07.03

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|--|---|
| Zeichen/Ref./Réf. EPP14087A | Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n° 02250217.3-2205/ |
| Anmelder/Applicant/Demandeur//Patentinhaber/Proprietor/Titulaire Seiko Epson Corporation | |

COMMUNICATION

The European Patent Office herewith transmits the partial European search report under Rule 46(1) EPC relating to the above-mentioned European patent application.

Copies of the documents cited in the search report are enclosed.

The applicant's attention is drawn to the following:

The search Division informs the applicant that if the European search report is also to cover inventions other than the invention first mentioned in the claims, a further search fee must be paid for each of these inventions, within **ONE MONTH** after notification of this communication.

If the application has been filed up to 30 June 1999, the search fee in force before 01 July 1999 (EUR 869,-) or the equivalent applicable on the date of payment is payable.

This applies also to the search fees requested under Rule 46(1) EPC.

See also OJ EPO 06/1999, 405.

- ☐ The abstract was modified by the Search Division and the definitive text is attached to the present communication.
- ☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.



Note to users of the automatic debiting procedure:

Unless the EPO receives prior instructions to the contrary, the search fee(s) will be debited on the last day of the period for payment. For further details see the Arrangements for the automatic debiting procedure, Supplement to OJ EPO 02/1999.

REGISTERED LETTER



European Patent
Office

PARTIAL EUROPEAN SEARCH REPORT

under Rule 46, paragraph 1 of the European Patent
Convention

Application Number

EP 02 25 0217

DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
|----------|--|----------------------|---|
| X | PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06, 30 June 1997 (1997-06-30) -& JP 09 039220 A (CANON INC), 10 February 1997 (1997-02-10) * abstract; figures 1-5 * | 1-12 | G02F1/1335 H05B33/10 B41J2/01 G02B5/20 |
| X | PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15, 6 April 2001 (2001-04-06) -& JP 2000 334951 A (CASIO COMPUT CO LTD), 5 December 2000 (2000-12-05) * abstract * | 1-4,8-10 | |
| X | PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) -& JP 11 078013 A (SEIKO EPSON CORP), 23 March 1999 (1999-03-23) * abstract * | 1-4,8-10 | |
| -/- | | | TECHNICAL FIELDS SEARCHED (Int.Cl.7) |
| | | | B41J G02F G02B |

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

The present partial European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.

Place of search

MUNICH

Date of completion of the search

26 June 2003

Examiner

Kiernan, L

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another
document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or
after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding
document



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
|-------------------------------------|---|-------------------|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | |
| X | PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01, 29 January 1999 (1999-01-29) -& JP 10 272776 A (MINOLTA CO LTD), 13 October 1998 (1998-10-13) * abstract * | 1-4,8-10 | |
| A | --- WO 95 07185 A (XAAR LTD ;TEMPLE STEPHEN (GB)) 16 March 1995 (1995-03-16) * page 1, line 12 - page 2, line 7 * * page 8, line 5 - page 19, line 19; claims; figures 1-13 * ----- | 1-12 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.7) |
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-12

The subject-matter of claims 1-12 concerns an apparatus for discharging a material to an object having a plurality of heads each having a nozzle row, the object a supporting mechanism being scanned relative to one another. The nozzle row is inclined relative to the scanning direction.

2. Claims: 13, 15-24

The subject-matter of claims 13 and 15-24 concerns an apparatus for producing a colour filter, or a colour filter with a liquid crystal display device and the corresponding method of producing said filter.

3. Claims: 14, 25, 26

The subject-matter of claims 14, 25 and 26 concern an apparatus for manufacturing an electroluminescent device and the corresponding method of manufacture.

The above mentioned groups of claimed subject-matter are not linked by a common new, or inventive concept as required by Article 82 EPC and as such does not satisfy the requirement of unity of invention.

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 02 25 0217

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-06-2003

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| JP 09039220 A | 10-02-1997 | NONE | |
| JP 2000334951 A | 05-12-2000 | NONE | |
| JP 11078013 1 A | | NONE | |
| JP 10272776 1 A | | NONE | |
| WO 9507185 A | 16-03-1995 | EP 0719215 A1 | 03-07-1996 |
| | | WO 9507185 A1 | 16-03-1995 |
| | | JP 9501622 T | 18-02-1997 |